AUTODOC CLUB

How to change rear shock absorbers on **AUDI A5 Coupe (8T3)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A5 Coupe (8T3) 2.0 TDI, AUDI A5 Coupe (8T3) 3.0 TDI, AUDI A5 Coupe (8T3) 3.0 TDI quattro, AUDI A5 Coupe (8T3) 1.8 TFSI, AUDI A5 Coupe (8T3) 3.2 FSI, AUDI A5 Coupe (8T3) 2.7 TDI, AUDI A5 Coupe (8T3) 2.0 TDI quattro, AUDI A5 Coupe (8T3) 3.0 TFSI quattro, AUDI A5 Coupe (8T3) 3.2 FSI quattro, AUDI A5 Coupe (8T3) 2.0 TFSI, AUDI A5 Coupe (8T3) 2.0 TFSI quattro, AUDI A5 Coupe (8T3) 2.0 TFSI Flexfuel quattro

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: AUDI A4 Saloon (8K2, B8) 2.0 TFSI Flexfuel quattro

REPLACEMENT: SHOCK ABSORBERS – AUDI A5 COUPE (8T3). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 16
- Drive socket # 21
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Shock absorber socket #DD6
- Crow bar
- Clip removal tool
- Vice
- Wheel chock

Buy tools

Replacement: shock absorbers – AUDI A5 Coupe (8T3). Tip from AUTODOC experts:

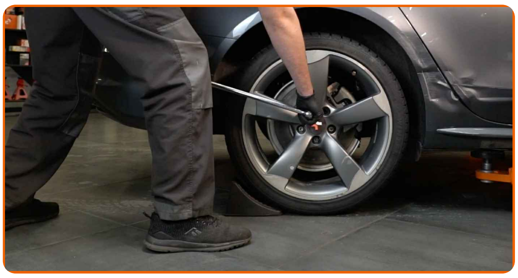
- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- All work should be done with the engine stopped.

REPLACEMENT: SHOCK ABSORBERS – AUDI A5 COUPE (8T3). TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.

4 Unscrew the wheel bolts.



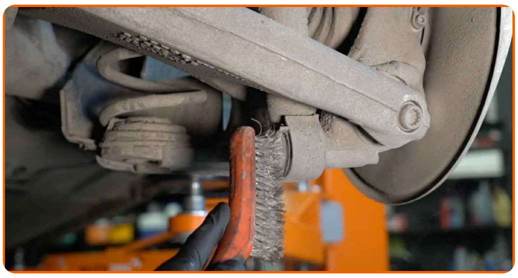
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. AUDI A5 Coupe (8T3)

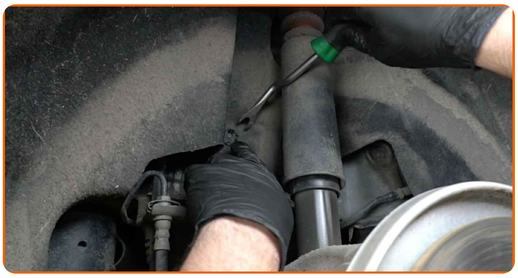
5 Remove the wheel.



6 Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



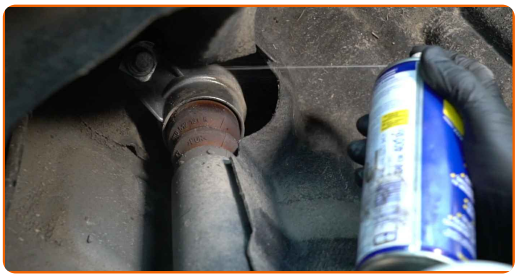
7 Unscrew and remove the wheel arch cover fasteners. Use a clip removal tool.



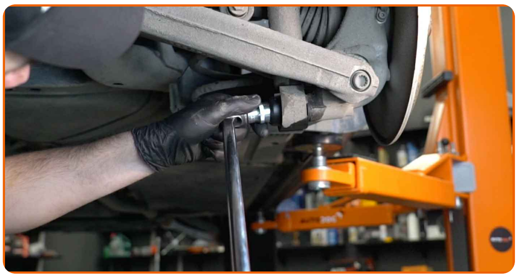
8 Move the part aside.



9 Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



10 Unscrew the lower fastener of the shock absorber. Use a drive socket #21. Use a ratchet wrench.



11 Remove the fastening bolt.



12 Unscrew the upper fastener of the shock absorber. Use a drive socket #16. Use a ratchet wrench.



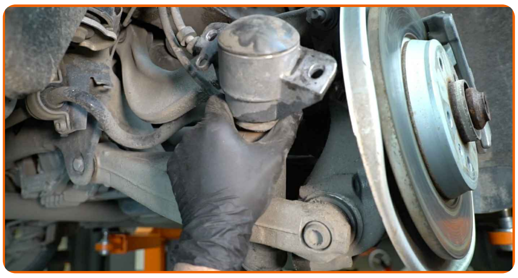
13 Remove the fastening bolt.



Replacement: shock absorbers – AUDI A5 Coupe (8T3). AUTODOC recommends:

- To avoid injuries, hold the shock absorber when undoing the fastening bolts.

14 Remove the shock absorber.



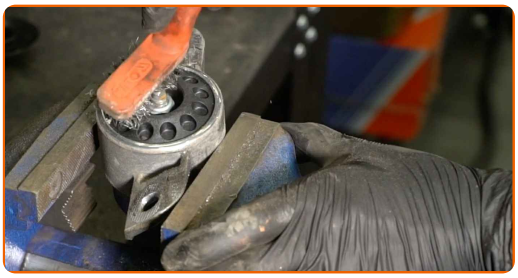
15 Grip the shock absorber in a vice.



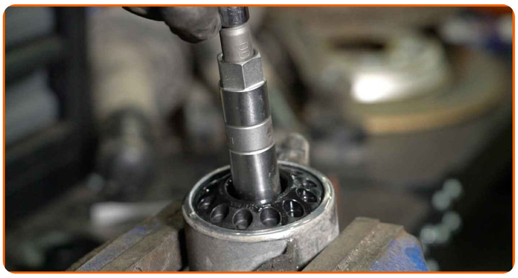
16 Remove the protective cap of the shock absorber mount. Use a crowbar.



17 Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.



18 Remove the shock absorber piston rod fastening. Use a shock absorber socket DD№6. Use a drive socket #16. Use a ratchet wrench.



19 Remove the shock absorber mount, boot and bump stop.



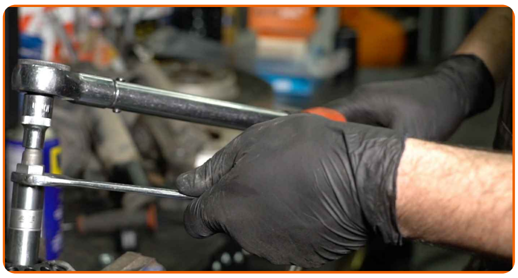
AUTODOC recommends:

- Replacement: shock absorbers – AUDI A5 Coupe (8T3). Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

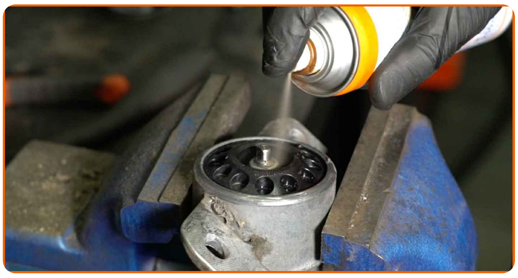
20 Install the mount, boot and bump stop onto a new shock absorber.



21 Screw the shock strut piston rod upper fastening. Use a shock absorber socket DD№6. Use a drive socket #16. Use a torque wrench. Tighten it to 35 nm torque.



22 Treat the shock absorber rod fastener. Use copper grease.



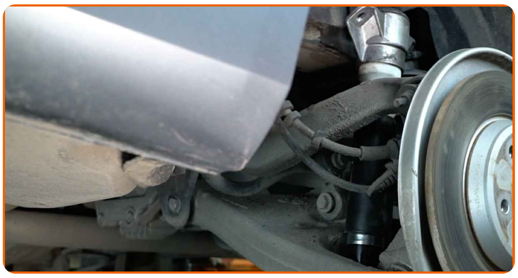
23 Install the protective cap of the shock absorber mount.



24 Release the vice and take out the shock absorber.



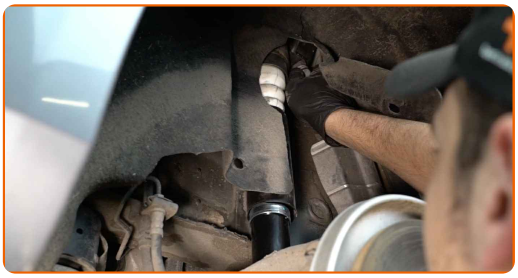
25 Place the shock absorber in the wheel arch and secure it.



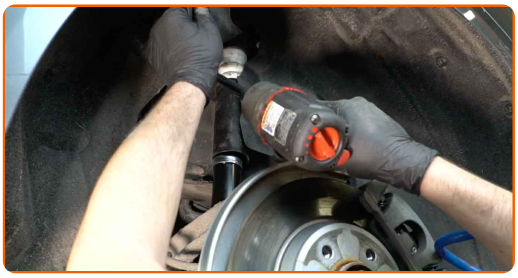
Replacement: shock absorbers – AUDI A5 Coupe (8T3). Tip:

- To avoid injury, hold the shock absorber cautiously tight when screwing in the fastening bolts.

26 Install the fastening bolt.



27 Screw the upper fastener of the shock absorber. Use a drive socket #16. Use a ratchet wrench.



28 Install the fastening bolt.



29 Screw in the lower fastener of the shock absorber. Use a drive socket #21. Use a ratchet wrench.



30 Support the arm. Use a hydraulic transmission jack.



31

Tighten the lower fastener of the shock absorber. Use a drive socket #21. Use a torque wrench. Tighten it to 150 Nm torque.+180°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

32

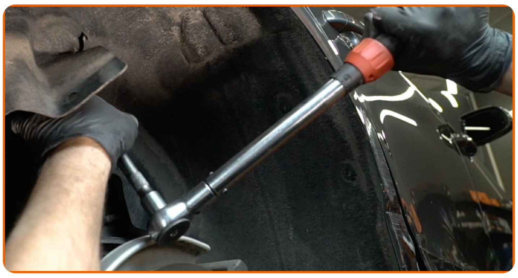
Remove the support from under the arm.



Replacement: shock absorbers – AUDI A5 Coupe (8T3). Professionals recommend:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

33 Tighten the top shock absorber fastening. Use a drive socket #16. Use a torque wrench. Tighten it to 50 Nm torque.+45°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

34 Treat the shock absorber fasteners. Use copper grease.



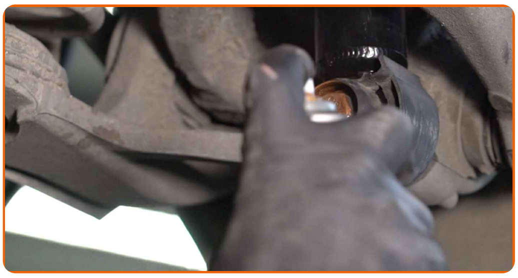
35 Install the wheel arch cover to its mounting seat.



36 Install and tighten the wheel arch cover fasteners.



37 Treat the shock absorber fasteners. Use copper grease.



38 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



39 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: shock absorbers – AUDI A5 Coupe (8T3). After applying the spray, wait a few minutes.

40 Install the wheel.



Replacement: shock absorbers – AUDI A5 Coupe (8T3). Tip from AUTODOC:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

41 Screw in the wheel bolts. Use wheel impact socket #17.



42 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



43 Remove the jacks and chocks.

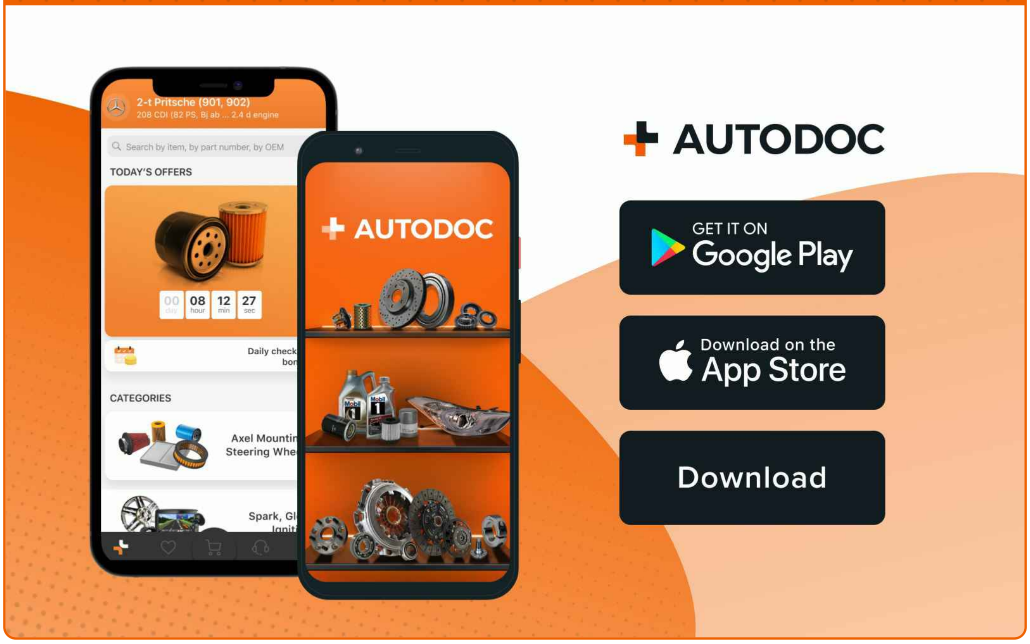


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